

Table S1: Egressome of *Plasmodium berghei* gametes

Gene ID	protein	peptide hits				
		Exp 1	Exp 2	EXP 3	SUM	SP
PBANKA_000235	Pb-fam-1 protein	6	5	0	11	X
PBANKA_020160	early transcribed membrane protein (ETRAMP)	1	2	7	10	X
PBANKA_020300	chromatin assembly factor 1 protein WD40 domain, putative	7	7	29	43	
PBANKA_021550	erythrocyte membrane associated protein 2 (EMAP2)	2	1	0	3	X
PBANKA_030060	Plasmodium exported protein, unknown function	2	2	6	10	
PBANKA_030490	serine repeat antigen 3 (SERA3)	9	6	35	50	X
PBANKA_030500	serine repeat antigen 2 (SERA2)	11	0	3	14	X
PBANKA_030510	serine repeat antigen 1 (SERA1)	7	0	3	10	X
PBANKA_030600	6-cysteine protein (P230p)	4	1	12	17	X
PBANKA_031180	long-chain acyl-CoA synthase, putative	6	2	23	31	X
PBANKA_051090	40S ribosomal protein S2B, putative	2	2	8	12	
PBANKA_051280	merozoite TRAP-like protein, putative (MTRAP)	2	1	5	8	X
PBANKA_051700	early transcribed membrane protein (ETRAMP)	4	4	8	16	X
PBANKA_052270	alpha tubulin 2	11	14	24	49	
PBANKA_052420	early transcribed membrane protein (SEP2)	3	2	10	15	X
PBANKA_060430	conserved Plasmodium protein, unknown function	3	1	25	29	X
PBANKA_061160	ribonucleoside-diphosphate reductase, large subunit, putative	8	5	56	69	
PBANKA_061860	conserved Plasmodium protein, unknown function	3	0	6	9	X
PBANKA_061920	secreted ookinete protein, putative (PSOP1)	25	25	47	97	X
PBANKA_062310	conserved rodent malaria protein, unknown function	4	2	21	27	
PBANKA_062330	tryptophan-rich antigen, putative	2	1	21	24	X
PBANKA_070070	Plasmodium exported protein, unknown function	2	1	4	7	
PBANKA_070280	protein disulfide isomerase	3	3	36	42	X
PBANKA_070970	protein kinase 1 (PK1)	2	0	34	36	
PBANKA_071190	heat shock protein, putative (HSP70)	11	13	55	79	X
PBANKA_071260	14-3-3 protein, putative (14-3-3I)	4	4	25	33	
PBANKA_080570	heat shock protein 90, putative (HSP90)	5	7	56	68	
PBANKA_081080	conserved Plasmodium protein, unknown function	4	2	2	8	X
PBANKA_081300	inhibitor of cysteine proteases (ICP)	1	2	7	10	X
PBANKA_081890	heat shock protein 70, putative	4	7	43	54	X
PBANKA_081990	nucleosome assembly protein (NAPS)	3	3	15	21	
PBANKA_082340	phosphoglycerate kinase, putative (PGK)	11	6	38	55	
PBANKA_083020	high molecular weight rhoptry protein 2, putative (RhopH2)	1	2	43	46	X
PBANKA_083100	merozoite surface protein 1 (MSP1)	2	0	8	10	X
PBANKA_083620	conserved Plasmodium protein, unknown function	1	2	2	5	
PBANKA_091170	subtilisin-like protease 2 (SUB2)	4	2	11	17	X
PBANKA_091910	parasitophorous vacuolar protein 1, putative (PV1)	2	3	14	19	X
PBANKA_092810	phosphoglycerate mutase, putative (PGM1)	2	0	15	17	
PBANKA_093030	GTP-binding nuclear protein, putative	4	3	18	25	
PBANKA_093120	heat shock protein 101, putative	1	2	19	22	X
PBANKA_093130	dipeptidyl aminopeptidase, putative	13	8	37	58	x
PBANKA_093840	endoplasmic reticulum-resident calcium binding protein, putative	1	0	9	10	X
PBANKA_100850	translocon component PTEX150 (PTEX150)	3	1	8	12	X
PBANKA_103010	actin II	4	2	19	25	
PBANKA_103060	p1/s1 nuclease, putative	18	15	29	62	X
PBANKA_110710	subtilisin-like protease 1, putative (SUB1)	12	10	13	35	X
PBANKA_111300	purine nucleoside phosphorylase, putative (PNP)	2	0	23	25	
PBANKA_111340	secreted ookinete protein, putative (PSOP12)	15	15	69	99	X
PBANKA_111860	cell division cycle protein 48 homologue, putative	1	2	44	47	
PBANKA_112290	hexokinase, putative	0	2	24	26	
PBANKA_112560	pyruvate kinase, putative	10	9	25	44	
PBANKA_113330	elongation factor 1 alpha (EF-1alpha)	11	11	32	54	
PBANKA_113700	bergheiysin (BLN)	4	3	52	59	
PBANKA_113790	proliferating cell nuclear antigen, putative (PCNA)	4	1	17	22	
PBANKA_114580	conserved rodent malaria protein, unknown function	5	5	7	17	
PBANKA_114590	conserved rodent malaria protein, unknown function	3	3	15	21	
PBANKA_120690	beta-tubulin	21	24	39	84	

PBANKA_121080	hypoxanthine-guanine phosphoribosyltransferase, putative (HGPRT)	5	0	19	24	
PBANKA_121430	enolase, putative (ENO)	18	14	40	72	
PBANKA_121930	heat shock protein 110, putative (HSP110c)	3	3	34	40	
PBANKA_122250	plasmepsin X	8	7	17	32	X
PBANKA_122420	DnaJ protein, putative	2	1	4	7	
PBANKA_122900	Plasmodium exported protein	18	16	25	59	
PBANKA_123560	adenosylhomocysteinase, putative (SAHH)	1	2	15	18	
PBANKA_130280	thioredoxin peroxidase 1 (TPx1)	2	2	16	20	
PBANKA_130380	triose-phosphate isomerase, putative (TIM)	2	1	23	26	
PBANKA_130860	fructose-bisphosphate aldolase 2 (ALDO2)	18	16	37	71	
PBANKA_131270	gamete egress and sporozoite traversal protein (GEST)	5	4	11	20	X
PBANKA_132640	glyceraldehyde-3-phosphate dehydrogenase, putative	14	19	30	63	
PBANKA_132730	fam-a protein	2	2	11	15	X
PBANKA_133190	eukaryotic initiation factor 4a, putative (eIF4A)	3	3	6	12	
PBANKA_134010	L-lactate dehydrogenase (LDH)	9	9	27	45	X
PBANKA_134040	oxidoreductase, putative	5	7	22	34	
PBANKA_135970	6-cysteine protein (P47)	1	1	13	15	X
PBANKA_136030	DNA/RNA-binding protein Alba 4, putative (ALBA4)	0	2	19	21	
PBANKA_136550	intra-erythrocytic P. berghei-induced structures protein 1 (IBIS1)	8	6	20	34	
PBANKA_140070	conserved rodent malaria protein, unknown function	1	2	5	8	
PBANKA_141030	M1-family aminopeptidase, putative	9	8	67	84	X
PBANKA_143220	male development gene 1 (MDV1)/PEG3	8	8	14	30	X
PBANKA_143240	perforin like protein 2 (PPLP2)	4	1	15	20	X
PBANKA_143730	endoplasmin, putative (GRP94)	2	1	29	32	X
PBANKA_144110	hydrolase, putative	4	1	17	22	
PBANKA_144330	merozoite surface protein 9, putative	7	1	1	9	X
PBANKA_144900	aspartyl protease, putative	13	11	42	66	X
PBANKA_145930	actin I	6	5	36	47	
PBANKA_146300	osmiophilic body protein (G377)	30	50	237	317	X